

CLAIMS

1. A bandsaw comprising a continuous saw blade driven in an endless elongate loop between two support members, whereby an elongate length of said loop extending between said support members provides an operative longitudinally extending cutting blade having an elongate axis and which passes through a work surface supported perpendicular to said cutting blade, characterised in that said
5 bandsaw further comprises a blade guide member operatively associated with said work surface for effecting angular displacement of the cutting blade about its axis as it is supported thereby.
- 10 2. A bandsaw as claimed in claim 1 wherein said cutting blade axis is maintained perpendicular to said work surface along the entire length of said cutting blade.
3. A bandsaw as claimed in claim 1 wherein said blade guide member is adjustable so as to allow selective variation of the angular adjustment of said cutting blade.
- 15 4. A bandsaw as claimed in claim 2 wherein said cutting blade is angularly adjustable between 0 and 90 degrees.
5. A bandsaw as claimed in claim 3 or claim 4 further comprising locking means
20 for restraining said blade guide member in a required position so as to maintain the angular displacement of said cutting blade effected thereby.
6. A bandsaw as claimed in any one of the preceding claims wherein said blade guide member comprises a plurality of longitudinally displaced guide surfaces
25 cooperatively adjustable to effect said angular displacement of the cutting blade disposed therebetween.
7. A bandsaw as claimed in any one of the preceding claims comprising at least two blade guide members, one each disposed either side of said work surface.

8. A bandsaw as claimed in any one of the preceding claims wherein the or a blade guide member is mounted on said work surface.

9. A bandsaw as claimed in any one of the preceding claims wherein the or each
5 blade guide member comprises a support mechanism for engaging and supporting said cutting blade passing therethrough, said support mechanism being rotatably mounted about an axis co-axial with said blade axis.

10. A bandsaw as claimed in claim 9 wherein said support mechanism comprises
10 two opposed support wheels between which said blade passes.

11. A bandsaw as claimed in claim 9 or claim 10 when appended to claim 9 wherein said support mechanism is rotatably mounted on a guide track, which guide track being co-axial with said blade axis and secured from displacement relative thereto.

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12. A bandsaw as claimed in any one of claims 9 to 11 wherein the or each blade guide member comprises a manually operable drive member engageable with said support mechanism for effecting rotational displacement thereof.

20 13. A bandsaw as claimed in claim 12 wherein said drive member comprises a handle member pivotally mounted about a pivot axis extending parallel to said cutting blade axis.

14. A bandsaw as claimed in claim 13 wherein said drive member comprises a force
25 transmitting member disposed between said handle member and said support mechanism for applying a displacement force to said support mechanism as said handle member is pivoted about said pivot axis.

15. A bandsaw as claimed in any one of claims 12 to 14 when appended to claim 5
30 wherein said locking means comprises a spring member engageable between said drive member and said support mechanism for exerting a biasing force restraining said drive member from displacement.

16. A method of varying the cutting capacity of a bandsaw having an elongate length of saw blade extending between two support members defining an operative longitudinally extending cutting blade having an elongate axis, which cutting blade passing through a work surface supported perpendicular to said cutting blade;
5 comprising the steps of effecting angular displacement of said blade about its axis in the region of said work surface and restraining said blade in this angularly displaced position.
17. A method as claimed in claim 16 further comprising the step of maintaining said
10 blade axis perpendicular to said work surface.
18. A method as claimed in claim in claim 16 or claim 17 wherein said angular displacement is effected by supporting said cutting blade in a blade guide member rotatably mounted about and co-axial with said blade axis and effecting rotational
15 displacement of said blade guide member about said blade axis.
19. A bandsaw substantially as herein described with reference to the accompanying illustrative drawings.
- 20 20. A method of varying the cutting capacity of a bandsaw substantially as herein described with reference to the accompanying illustrative drawings.